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DEPARTMENT OF DEFENSE

DIRECTIVES SYSTEM TRANSMITTAL

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ATTACHMENTS

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INSTRUCTIONS FOR RECIPIENTS

The following pen and page changes to DoD Directive 3222.4, "Electronic Warfare (EW) and Command and Control Warfare (C2W) Countermeasures," July 31, 1992, are authorized:

PEN CHANGES

Pages 3 through 6.

Change "C3CM" to "C2W" throughout the Directive

Change "ECCM" to "EP" throughout the Directive

PAGE CHANGES

Remove: Pages 1&2

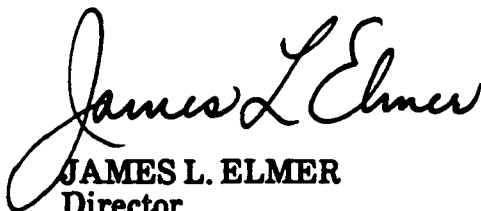
Insert: Attached replacement pages

Changes appear on page 1 and are indicated by marginal asterisks.

EFFECTIVE DATE

The above changes are effective immediately.

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JAMES L. ELMER
Director
Correspondence and Directives

94-00110



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Department of Defense DIRECTIVE

July 31, 1992 #
NUMBER 3222.4

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SUBJECT: Electronic Warfare (EW) and Command and Control Warfare (C2W) Countermeasures

References: (a) Directive 3222.4, "Electronic Warfare Administration," January 28, 1980 (hereby canceled)
(b) DoD Directive 4600.4, "Command, Control, and Communications (C3) Countermeasures," August 27, 1979 (hereby canceled)
(c) DoD Directive 5000.1, "Defense Acquisition," February 23, 1991
(d) DoD Directive 3222.2, "Department of Defense Electromagnetic Compatibility Program (EMCP)," August 20, 1990
(e) DoD Directive 3100.3, "Cooperation with Allies in Research and Development of Defense Equipment," September 27, 1963
(f) DoD Directive 7750.5, "Management and Control of Information Requirements," August 7, 1986

A. REISSUANCE AND PURPOSE

This Directive reissues reference (a) and replaces reference (b) to update the administration of and organizational responsibilities for EW and C3CM in the Department of Defense.

B. APPLICABILITY

This Directive applies to the Office of the Secretary of Defense (OSD), the Military Departments, the Chairman of the Joint Chiefs of Staff and the Joint Staff, the Unified and Specified Commands, and the Defense Agencies (hereafter referred to collectively as "the DoD Components"). The term "Military Services," as used herein, refers to the Army, the Navy, the Air Force, and the Marine Corps.

C. DEFINITIONS

1. **Command and Control Warfare (C2W)**. The integrated use of operations security (OPSEC), military deception, psychological operations (PSYOP), electronic warfare (EW), and physical destruction, mutually supported by intelligence, to deny information to, influence, degrade or destroy adversary command and control capabilities, while protecting friendly command and control capabilities against such actions.

2. **Electronic Protection (EP)**. That division of electronic warfare involving actions taken to protect personnel, facilities, and equipment from any effects of friendly or enemy employment of electronic warfare that degrade, neutralize, or destroy friendly combat capability.

3. **Electronic Warfare (EW)**. Any military action involving the use of electromagnetic and directed energy to control the electromagnetic spectrum or to attack the enemy.

4. **Wartime Reserve Modes (WARM)**. Characteristics and operating procedures of sensor, communications, navigation aids, threat recognition, weapons, and countermeasure systems that (a) will contribute to military effectiveness if unknown to or misunderstood by opposing commanders before they are used, but (b) could be exploited or neutralized if known in advance.

D. POLICY

It is DoD policy to:

1. Ensure the development and acquisition of weapon systems, automated planning systems, and all-source intelligence information that effectively support C3CM strategies.
2. Ensure that assessments by the DoD Components of vulnerabilities of friendly and hostile command and control (C2) are robust and that viable C2 of friendly and allied forces prevail.
3. Ensure the development and acquisition of robust war-fighting EW systems in accordance with DoD Directive 5000.1 (reference (c)), while maximizing commonality of resources among the Services and Agencies.
4. Develop and maintain an investment strategy that ensures an orderly process between the identification of the requirement and the development and/or acquisition of EW systems to meet the stated requirement.
5. Encourage cooperative EW system developments and the application of C3CM strategies between the United States and its Allies.
6. Ensure that operational requirement documents, mission need statements, and subsequent development, design, and test of systems shall consider and incorporate, where appropriate, C3CM and ECCM capabilities.
7. Ensure that the potential for mutual interference between U.S. and Allied systems is evaluated under DoD Directive 3222.2 (reference (d)) before production of U.S. systems.
8. Ensure effective intelligence support is provided over the life cycle of EW systems, WARM capabilities, ECCM, and C3CM.
9. Ensure a vulnerability assessment strategy is considered over the life cycle of a system, and ECCM is considered at all Milestone Reviews.

E. RESPONSIBILITIES

1. The Under Secretary of Defense for Acquisition shall:
 - a. Be the DoD focal point for EW and tactical C3CM within the Department of Defense.
 - b. Provide guidance on EW and tactical C3CM policy.
 - c. Coordinate international EW system development and acquisition issues between the United States and its Allies consistent with DoD Directive 3100.3 (reference (e)).
 - d. Ensure that tactical C3CM programs, tactics, and employment are coordinated among the DoD Components and with Allied Nations, as necessary.
 - e. Provide oversight for development and acquisition of tactical land, sea, air, space, or undersea EW systems and application of WARM and tactical C3CM strategies.